APPLICATION DISCLOSURE CITATION (Usbrayeral sheets if necessary) NOV-0 8 2005 U.S. PATENT DOCUMENTS PARENT DOCUMENTS DOCUMENT NUMBER DATE NAME C. D. D. E. F. FOREIGN PARENT DOCUMENTS DOCUMENT NUMBER DATE OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) I. J.	•				ATTY DOCKET NO.		ERIAL NO.				
BRIAN G. JOHNSON FILMS DATE OCCUMENT NUMBER DATE DOCUMENT NUMBER DATE FILMS DATE COLASS SUBCLASS FILMS DATE FILMS DATE FILMS DATE FOREIGN PATENT DOCUMENTS COLASS SUBCLASS TRANSLATION TO THE DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) N. OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) M. Horii, H., Yi, J.H., Park, J.H., H., Y.H., Baek, I.G., Park, S.O., Hwang, Y.N., Lee, S.H., Kim, Y.T., Lee, K.H., Chung, U-In and Moon, J.T., "A Novel Cell Technology Using N-doped GeSbTe Films for Phase Change RAM," presented at IEEE 2003 Symposium on Vt.SI Technology, Kyoto, Japan, June 12-14, 2003 N. O. P. Q. R. EXAMINER: Initial if milierance considered, whether or not citation is in conformance with MPEP 508; Draw line through clustered front in conformance and not considered. Include copy of the bone with end comprised to the conformance and not considered. Include copy of the bone with end comprised to the page of the bone with end comprised to the page of the bone with end comprised to the page of the bone with end considered. Include copy of the bone with end comprised to the page of the bone with end considered. Include copy of the bone with									10/634,146		
NOV-0 8 7805 NOV-0 8 7805 U.S. PATENT DOCUMENTS U.S. PATENT DOCUMENTS U.S. PATENT DOCUMENTS NAME CLASS SUBCLASS FLING DATE NAME C.C. D. E. F. FOREIGN PATENT DOCUMENTS FOREIGN PATENT DOCUMENTS DOCUMENT NUMBER DATE COUNTRY CLASS SUBCLASS TRANSLATION VES NO G. H. I. J. OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) N. M.TW M. Horri, H., YI, J.H., Park, J.H., Ha, Y.H., Baek, I.G., Park, S.O., Hwang, Y.N., Lee, S.H., Kim, Y.T., Lee, K.H., Chung, U-In and Moon, J.T., "A Novel Cell Technology Using N-doped GeSbTe Films for Phase Change RAM," presented at IEEE 2003 Symposium on VLSI Technology, Kyoto, Japan, June 12-14, 2003 N. CANINER. Initial if milroracco accident, whether or not citation is in conformance with MPEP 609, Draw fine through chiation if not in conformance and not considered. Include copy of the formation conformance and not considered. Include copy of the formation conformance and not considered. Include copy of the formation conformance and not considered. Include copy of the formation conformance and not considered. Include copy of the formation conformance and not considered. Include copy of the formation conformance and not considered. Include copy of the formation conformance and not considered. Include copy of the formation conformance and not considered. Include copy of the formation conformance and not considered. Include copy of the formation conformance and not considered. Include copy of the formation conformance and not considered. Include copy of the formation conformance and not considered. Include copy of the formation conformance and not considered. Include copy of the formation conformance and not considered. Include copy of the formation conformance and not considered. Include copy of the formation conformance and not considered. Include copy of the formation conformance and not considered. Include copy of the formation conformance and not considered. Include copy of the formation conformance and not considered. Include copy of the f	6										
U.S. PATENT DOCUMENTS DOCUMENT NUMBER DATE NAME CLASS SUBCLASS FLING DATE FAPROPRIATE		,	R I	essary)		FILING DATE: GROUP ART UNIT:					
DOCUMENT NUMBER DATE NAME CLASS SUBCLASS FING DATE APPROPRIATE A. C. D. D. E. F. FOREIGN PATENT DOCUMENTS FOREIGN PATENT DOCUMENTS DOCUMENT NUMBER DATE COUNTRY CLASS SUBCLASS TRANSLATION G. H. I. I. J. J. SUBCLASS TRANSLATION M. HORI, H., YI, J.H., Park, J.H., Ha, Y.H., Baek, I.G., Park, S.O., Hwang, Y.N., Lee, S.H., Kim, Y.T., Lee, K.H., Chung, U-In and Moon, J.T., "A Novel Cell Technology Using N-doped GeSbTe Films for Phase Change RAM." presented at IEEE 2003 Symposium on VLSI Technology, Kyoto, Japan, June 12-14, 2003 N. O. P. Q. R. S.	(NOV	0 8 20	06		August 4, 2003						
A. R. C. D. E. FOREIGN PATENT DOCUMENTS G. H. I. J. J. K. K. L. OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) MJW M. Horii, H., Yi, J.H., Park, J.H., Ha, Y.H., Baek, I.G., Park, S.O., Hwang, Y.N., Lee, S.H., Kim, Y.T., Lee, K.H., Chung, U-In and Moon, J.T., "A Novel Cell Technology Using N-doped GeSbTe Films for Phase Change RAM," presented at IEEE 2003 Symposium on VLSI Technology, Kyoto, Japan, June 12-14, 2003 N. O. P. Q. R. S. EXAMINER: Initial Heace ordideed, whether or ord citation is in conformance with MFEP 609, Draw line through clasters if not in conformance and not considered. Include copy of this florm with next communication to applicant.	Tal.		R)	U.S. PA	ATENT DOCUMENTS		<u> </u>				
C. D. E. F. FOREIGN PATENT DOCUMENTS DOCUMENT NUMBER DATE COUNTRY CLASS SUBCLASS TRANSLATION YES NO G. H. I. J. M. Horii, H., Yi, J.H., Park, J.H., Ha, Y.H., Baek, I.G., Park, S.O., Hwang, Y.N., Lee, S.H., Kim, Y.T., Lee, K.H., Chung, U-In and Moon, J.T., "A Novel Cell Technology Using N-doped GeSDTe Films for Phase Change RAM." presented at IEEE 2003 Symposium on VLSI Technology, Kyoto, Japan, June 12-14, 2003 N. O. P. Q. R. S. S. DATE CONSIDERED 11/20/2006 TEXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 509. Draw line through diation if not in conformance and not considered. Include copy of this form with next communication to applicant.	*EXAMOLE INITIAL	DELLE	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS				
C. D. E. F. FOREIGN PATENT DOCUMENTS COUNTRY CLASS SUBCLASS TRANSLATION G. H. J. OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) MJW M. Horii, H., Yi, J.H., Park, J.H., Ha, Y.H., Baek, I.G., Park, S.O., Hwang, Y.N., Lee, S.H., Kim, Y.T., Lee, K.H., Chung, U-In and Moon, J.T., "A Novel Cell Technology Using N-doped GeSbTe Films for Phase Change RAM," presented at IEEE 2003 Symposium on VLSI Technology, Kyoto, Japan, June 12-14, 2003 N. O. P. Q. R. S. EXAMINER /Michael Weinberg/ DATE CONSIDERED 11/20/2006		A.									
D. E. F. FOREIGN PATENT DOCUMENTS G. H. J. OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) MJW M. Horti, H., Yi, J.H., Park, J.H., Ha, Y.H., Baek, I.G., Park, S.O., Hwang, Y.N., Lee, S.H., Kim, Y.T., Lee, K.H., Chung, U-In and Moon, J.T., "A Novel Cell Technology Using N-doped GeSbTe Films for Phase Change RAM," presented at IEEE 2003 Symposium on VLSI Technology, Kyoto, Japan, June 12-14, 2003 N. O. P. Q. R. S. EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609: Draw line through cliation if not in conformance and not considered. Include copy of this form with next communication to applicant.		9									
FOREIGN PATENT DOCUMENTS DOCUMENT NUMBER DATE COUNTRY CLASS SUBCLASS TRANSLATION YES NO		C.									
F. FOREIGN PATENT DOCUMENTS DOCUMENT NUMBER DATE COUNTRY CLASS SUBCLASS TRANSLATION YES NO		D.									
FOREIGN PATENT DOCUMENTS DOCUMENT NUMBER DATE COUNTRY CLASS SUBCLASS TRANSLATION YES NO		E.									
DOCUMENT NUMBER DATE COUNTRY CLASS SUBCLASS TRANSLATION YES NO RES NO H. I. J. OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) M. Horii, H., Yi, J.H., Park, J.H., Ha, Y.H., Baek, I.G., Park, S.O., Hwang, Y.N., Lee, S.H., Kim, Y.T., Lee, K.H., Chung, U-In and Moon, J.T., "A Novel Cell Technology Using N-doped GeSbTe Films for Phase Change RAM," presented at IEEE 2003 Symposium on VLSI Technology, Kyoto, Japan, June 12-14, 2003 N. O. P. Q. R. S. EXAMINER /Michael Weinberg/ DATE CONSIDERED 11/20/2006 TEXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 809; Draw line through citation if not in conformance and not considered. Include copy of this form with nest communication to applicant.		F.									
DOCUMENT NUMBER DATE COUNTRY CLASS SUBCLASS TRANSLATION YES NO RES NO H. I. J. OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) M. Horii, H., Yi, J.H., Park, J.H., Ha, Y.H., Baek, I.G., Park, S.O., Hwang, Y.N., Lee, S.H., Kim, Y.T., Lee, K.H., Chung, U-In and Moon, J.T., "A Novel Cell Technology Using N-doped GeSbTe Films for Phase Change RAM," presented at IEEE 2003 Symposium on VLSI Technology, Kyoto, Japan, June 12-14, 2003 N. O. P. Q. R. S. EXAMINER /Michael Weinberg/ DATE CONSIDERED 11/20/2006 TEXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 809; Draw line through citation if not in conformance and not considered. Include copy of this form with nest communication to applicant.		<u></u>		FOREIGN	PATENT DOCUMENTS			·			
M. Horii, H., Yi, J.H., Park, J.H., Ha, Y.H., Baek, I.G., Park, S.O., Hwang, Y.N., Lee, S.H., Kim, Y.T., Lee, K.H., Chung, U-In and Moon, J.T., "A Novel Cell Technology Using N-doped GeSbTe Films for Phase Change RAM," presented at IEEE 2003 Symposium on VLSI Technology, Kyoto, Japan, June 12-14, 2003 N. O. P. Q. R. S. S. EXAMINER / Michael Weinberg/ DATE CONSIDERED 11/20/2006 TEXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609, Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	***		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS				
I. J. OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) M. Horii, H., Yi, J.H., Park, J.H., Ha, Y.H., Baek, I.G., Park, S.O., Hwang, Y.N., Lee, S.H., Kim, Y.T., Lee, K.H., Chung, U-In and Moon, J.T., "A Novel Cell Technology Using N-doped GeSbTe Films for Phase Change RAM," presented at IEEE 2003 Symposium on VLSI Technology, Kyoto, Japan, June 12-14, 2003 N. O. P. Q. R. S. EXAMINER /Michael Weinberg/ DATE CONSIDERED 11/20/2006 EXAMINER Initial if reference considered, whether or not citation is in conformance with MPEP 809; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.		G.									
M. Horii, H., Yi, J.H., Park, J.H., Ha, Y.H., Baek, I.G., Park, S.O., Hwang, Y.N., Lee, S.H., Kim, Y.T., Lee, K.H., Chung, U-In and Moon, J.T., "A Novel Cell Technology Using N-doped GeSbTe Films for Phase Change RAM," presented at IEEE 2003 Symposium on VLSI Technology, Kyoto, Japan, June 12-14, 2003 N. O. P. Q. R. S. S. EXAMINER /Michael Weinberg/ DATE CONSIDERED 11/20/2006 EXAMINER initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Includes copy of this form with next communication to applicant.		H.									
M. Horii, H., Yi, J.H., Park, J.H., Ha, Y.H., Baek, I.G., Park, S.O., Hwang, Y.N., Lee, S.H., Kim, Y.T., Lee, K.H., Chung, U-In and Moon, J.T., "A Novel Cell Technology Using N-doped GeSbTe Films for Phase Change RAM," presented at IEEE 2003 Symposium on VLSI Technology, Kyoto, Japan, June 12-14, 2003 N. O. P. Q. R. S. S. EXAMINER /Michael Weinberg/ DATE CONSIDERED 11/20/2006 EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609: Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.		T.									
DATE CONSIDERED L. OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) M. Horii, H., Yi, J.H., Park, J.H., Ha, Y.H., Baek, I.G., Park, S.O., Hwang, Y.N., Lee, S.H., Kim, Y.T., Lee, K.H., Chung, U-In and Moon, J.T., "A Novel Cell Technology Using N-doped GeSbTe Films for Phase Change RAM," presented at IEEE 2003 Symposium on VLSI Technology, Kyoto, Japan, June 12-14, 2003 N. O. P. Q. R. S. EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.		J.									
M. Horii, H., Yi, J.H., Park, J.H., Ha, Y.H., Baek, I.G., Park, S.O., Hwang, Y.N., Lee, S.H., Kim, Y.T., Lee, K.H., Chung, U-In and Moon, J.T., "A Novel Cell Technology Using N-doped GeSbTe Films for Phase Change RAM," presented at IEEE 2003 Symposium on VLSI Technology, Kyoto, Japan, June 12-14, 2003 N. O. P. Q. R. S. EXAMINER /Michael Weinberg/ DATE CONSIDERED 11/20/2006 EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.		K.									
M. Horii, H., Yi, J.H., Park, J.H., Ha, Y.H., Baek, I.G., Park, S.O., Hwang, Y.N., Lee, S.H., Kirn, Y.T., Lee, K.H., Chung, U-In and Moon, J.T., "A Novel Cell Technology Using N-doped GeSbTe Films for Phase Change RAM," presented at IEEE 2003 Symposium on VLSI Technology, Kyoto, Japan, June 12-14, 2003 N. O. P. Q. R. S. EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	/	L.									
MJW K.H., Chung, U-In and Moon, J.T., "A Novel Cell Technology Using N-doped GeSbTe Films for Phase Change RAM," presented at IEEE 2003 Symposium on VLSI Technology, Kyoto, Japan, June 12-14, 2003 N. Q. R. S. EXAMINER: /Michael Weinberg/ DATE CONSIDERED 11/20/2006 "EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.			OTHER DOCU	MENTS (Includ	ling Author, Title, Date, Pertinen	t Pages, E	tc.)	<u> </u>			
P. Q. R. S. EXAMINER /Michael Weinberg/ DATE CONSIDERED 11/20/2006 "EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	MJW	M.	K.H., Chung, U-In and Moon, J.T., "A Novel Cell Technology Using N-doped GeSbTe Films for Phase Change RAM," presented at IEEE 2003 Symposium on VLSI Technology, Kyoto, Japan, June 12-14,								
P. Q. R. S. EXAMINER /Michael Weinberg/ DATE CONSIDERED 11/20/2006 "EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.		N.	\(\frac{1}{2}\)								
Q. R. S. EXAMINER /Michael Weinberg/ DATE CONSIDERED 11/20/2006 "EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.		0.									
R. S. EXAMINER /Michael Weinberg/ DATE CONSIDERED 11/20/2006 *EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.		P.									
R. S. EXAMINER /Michael Weinberg/ DATE CONSIDERED 11/20/2006 *EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.		Q.									
EXAMINER /Michael Weinberg/ DATE CONSIDERED 11/20/2006 *EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.		<u> </u>									
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.											
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	EXAMINER	<u> </u>	/Michael Weinb	erg/	DATE CONSIDERED 11/	/20/2006		-			
of this form with next communication to applicant.	*EXAMINER:	Initial if re	eference considered, whether or n	ot citation is in conforma				sidered. Inc	tude copy		
1 1 - 1 1 - 1	of this form wi	ith next ∞	mmunication to applicant.	١,							